

Whitewells2

Whitewells Station is not well-known botanically. There are 32 collections in the WA Herbarium recorded from the station, 19 of these were made by C.A. Gardner, 11 in August 1953, and 8 in 1960. There are also 7 collections made by Denis Mason (of Whitewells Station) in the early 1960's. All the priority taxa recorded there have been found adjacent to the Great Northern Highway where it passes through the station. Botanical survey on the station is therefore a high priority.

The presence of uncleared areas of sandplains on the station are particularly important in relation to the priority taxa that may occur there. On the Mullerwa-Wubin Road, between Maya and Perenjori to the west of Whitewells, 17 poorly known taxa have been recorded. Of these 10 occur on sandplain. At least two have been recorded from the eastern side of Whitewells Station, indicating that some elements of this northern Avon Wheatbelt vegetation extend to the east of the Rabbit Proof Fence Road onto the station. West of this in the wheatbelt the natural vegetation is highly fragmented, and those fragments are in some cases subject to increasing salinity or other threats such as weed invasion. It is therefore important that these large intact areas representative of the northern Avon Wheatbelt vegetation on the station should become part of the reserve system.

1. Recorded on Whitewells

Woodlands

Persoonia pentasticha Priority 2 (also near granites)

Yellow Sandplain

Acacia formidabilis Priority 3

Verticordia venusta Priority 3

Comesperma griffithii ms Priority 2

Sandy soils, lake edges

Philotheca nutans Priority 1

2. Other priority taxa which occur in the vicinity and may be present on Whitewells.

Woodlands

Grevillea granulosa Priority 3

Cryptandra imbricata Priority 3

Yellow Sandplain with shrubland

Asartea clavifolia Priority 2

Acacia isoneura subsp. *nimbia* Priority 3

Acacia nigripilosa

subsp. *latifolia* Priority 3

Baeckea sp. *Bunji* Priority 1

Euryomyrtus recurva Priority 3 (Also on red sand and sandy clay)

Calytrix plumulosa Priority 3 (also on red loam)

Original report

Goodenia perryi Priority 3
Grevillea asparagoides Priority 3
Jacksonia velutina Priority 3
Ptyrodia axillaris Priority 1
Urodon capitatus Priority 3

Red sand or Sandy clay in *Acacia* shrubland

Acacia inceana subsp. *latifolia* Priority 1

Sand over laterite

Styloidium coroniforme DRF

Plats on loamy sands near drainage lines or lakes

Eremophila viscidula DRF

Eremaean Landsystem

Saltlake system on saline flats

Gnephosis setifera Priority 1
Angicmihus micropodioides Priority 3
Chamaelacium conostigmum Priority 3

Grenstones

Presence of basalt and laterite on the hills in the north east corner of Whitewells Station may indicate the occurrence of a number of restricted species which are found mainly further to the east and northeast. None of these have yet been found on Whitewells but I have undertaken no survey work in that area for priority taxa. These include:

Acacia acanthoclada subsp. *glaucescens* Priority 3

Acacia imitans DRF

Acacia unguicula DRF

Allocasuarina tessellata Priority 1

Dodonaea sp. *Ninghan* Priority 1

Grevillea scabrida Priority 3

Grevillea subuliflora Priority 1

Hybanthus cymulosus DRF

Micromyrtus cuensis Priority 1

Micromyrtus sp. *Warriedar* Priority 1

Psammodromia implexa Priority 3 (may have been found on Whitewells by Gardner.)

Granites

Areas of granites, particularly in the north west corner may have populations of other priority taxa. None are at present recorded there, but there has been no survey for them in that area as far as I am aware. *Baeckea* sp. *Paynes Find* Priority 1

Micromyrtus implexa P1

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Acacia cerastes Priority 1
Eucalyptus crueis subsp. *praecipua* DRF
Wurmbea murchisoniana Priority 4
Korihalsella leucolhrix Priority 1 (parasitic on *Acacia acuminata* around granite rock)
Eucalyptus crueis subsp. *praecipua* Declared Rare Flora